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Abstract			
<p>It is characterized by using Endostatin gene of human solid tumor blood vessel, adopting the improved PEG method, calcium chloride method and other conventional gene transfer method and pBV220 carrier to transfer said Endostatin gene into bifidobacteria to obtain a trans-Endostatin gene bifidobacteria; then making successive transfer selective culture so as to obtain the transgenic bifidobacteria. After the transgenic bifidobacteria is taken in, it can be fixed on the intraintestinal mucous membrane to make propagation, or the recombinated Endostatin is extracted from said above-material and made into injection preparation. Both can be used for curing and resisting human solid tumor blood vessel formation.</p>			

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[54] 发明名称 转人实体瘤内皮抑制因子基因双歧杆菌的方法

[57] 摘要

本发明涉及一种人实体瘤血管的内皮抑制因子(Endostatin)基因通过改进的 PEG 法、氯化钙法基因转化方法将 pBV220 载体转入到双歧杆菌中得到一种转 Endostatin 基因双歧杆菌。再进行继代选择性培养,从而获得转基因双歧杆菌。通过口服这种经表达处理后的转 Endostatin 基因双歧杆菌而定植于肠粘膜繁殖,或从中提取重组 Endostatin 制备成针剂,两者均可用于抗人实体瘤血管生成疗法的治疗之中。

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